-	32	((lcd or (liquid adj crystal)).ti,ab,clm.) and (optical same grade same adhesive)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 11:38
-	18	(((lcd or (liquid adj crystal)).ti,ab,clm.) and (optical same grade same adhesive)) and substrate.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 11:40
-	18	((((lcd or (liquid adj crystal)).ti,ab,clm.) and (optical same grade same adhesive)) and substrate.clm.) and (transparent or opaque or glass)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 11:41
-	7	(((((lcd or (liquid adj crystal)).ti,ab,clm.) and (optical same grade same adhesive)) and substrate.clm.) and (transparent or opaque or glass)) and adhesive.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:02
-	5	"6172731"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:03
-	20	("3934336" | "4482213" | "4963002" | "5076670" | "5142644" | "5317438" | "5371619" | "5436744" | "5557436" | "5625476" | "5629787" | "5672083" | "5757445" | "5831699" | "5840417" | "5889568" | "2279780" | "6025670" | "6061105" | "6172731").PN.	USPAT	2003/04/22 14:03
-	22	(US-6476902-$ or US-6261649-$ or US-6251516-$ or US-6124913-$ or US-6034754-$ or US-6015951-$ or US-5943110-$ or US-5883685-$ or US-5863457-$ or US-5809188-$ or US-5599478-$ or US-5413657-$ or US-5359443-$ or US-5889568-$ or US-5629787-$ or US-5076670-$ or US-4963002-$).did. or (US-20030002006-$ or US-20020109816-$ or US-20020109807-$ or US-20020109806-$ or US-20020037269-$).did.	USPAT; US-PGPUB	2003/04/22 14:05

-	9	((US-6476902-$ or US-6261649-$ or US-6251516-$ or US-6124913-$ or US-6034754-$ or US-6015951-$ or US-5943110-$ or US-5883685-$ or US-5863457-$ or US-5809188-$ or US-5599478-$ or US-5413657-$ or US-5359443-$ or US-5889568-$ or US-5629787-$ or US-5076670-$ or US-4963002-$).did. or (US-20030002006-$ or US-20020109816-$ or US-20020109807-$ or US-20020109806-$ or US-20020037269-$).did.) and adhesive.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:05
-	20	((US-6476902-$ or US-6261649-$ or US-6251516-$ or US-6124913-$ or US-6034754-$ or US-6015951-$ or US-5943110-$ or US-5883685-$ or US-5863457-$ or US-5809188-$ or US-5599478-$ or US-5413657-$ or US-5359443-$ or US-5889568-$ or US-5629787-$ or US-5076670-$ or US-4963002-$).did. or (US-20030002006-$ or US-20020109816-$ or US-20020109807-$ or US-20020109806-$ or US-20020037269-$).did.) and adhesive	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:06
-	790	void and adhesive and (bond or bonding or bonded) and substrate and (lcd or (liquid adj crystal))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:07
-	201	(void and adhesive and (bond or bonding or bonded) and substrate and (lcd or (liquid adj crystal))) and adhesive.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:08
-	24	((void and adhesive and (bond or bonding or bonded) and substrate and (lcd or (liquid adj crystal))) and adhesive.ti,ab,clm.) and void.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:08
-	7	(((void and adhesive and (bond or bonding or bonded) and substrate and (lcd or (liquid adj crystal))) and adhesive.ti,ab,clm.) and void.ti,ab,clm.) and (adhesive near5 void).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:09
-	1473	((bubble or adhesive) near5 void).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:12

-	120	(((bubble or adhesive) near5 void).ti,ab,clm.) and ((bond or bonding or bonded) near5 substrate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:11
-	1	((((bubble or adhesive) near5 void).ti,ab,clm.) and ((bond or bonding or bonded) near5 substrate)) and (lcd or (liquid adj crystal)).ab. and (lcd or (liquid adj crystal)).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:12
-	1	((((bubble or adhesive) near5 void).ti,ab,clm.) and ((bond or bonding or bonded) near5 substrate)) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:12
-	1969	((bubble or void) near5 adhesive).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:12
-	48	(((bubble or void) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:12
-	4	(((bubble or void) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ab. and (lcd or (liquid adj crystal)).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:14
-	4	((((bubble or void) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ab. and (lcd or (liquid adj crystal)).clm.) and adhesive.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:15
-	33	optical adj grade adj adhesive	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:17
-	3	(optical adj grade adj adhesive) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:16
-	17569	((optical or optically) near10 adhesive)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:17

-	10400	((optical or optically) near10 adhesive).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:18
-	547	(((optical or optically) near10 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:18
-	85	((((optical or optically) near10 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:18
-	7	(((((optical or optically) near10 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive near10 (void or bubble))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:20
-	3	(((((optical or optically) near10 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and ((fill or filling or filled) near10 adhesive near10 (via or hole))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:22
-	2526	((fill or filling or filled) near10 adhesive near10 (via or hole))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:23
-	744	(((fill or filling or filled) near10 adhesive near10 (via or hole))) and adhesive.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:23
-	9	((((fill or filling or filled) near10 adhesive near10 (via or hole))) and adhesive.clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:26
-	49	((optical or optically) near5 adhesive near5 (void or bubble)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:32
-	1	(signal adj plate) and (deck adj plate) and (hole or via)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:35

-	586	Ito and plate and transparent and substrate and (hole or via) and adhesive and (lcd or (liquid adj crystal)).ab. and (lcd or (liquid adj crystal)).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:38
-	441	(ito and plate and transparent and substrate and (hole or via) and adhesive and (lcd or (liquid adj crystal)).ab. and (lcd or (liquid adj crystal)).clm.) and spacer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:39
-	48	((ito and plate and transparent and substrate and (hole or via) and adhesive and (lcd or (liquid adj crystal)).ab. and (lcd or (liquid adj crystal)).clm.) and spacer) and adhesive.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:39
-	10	(((ito and plate and transparent and substrate and (hole or via) and adhesive and (lcd or (liquid adj crystal)).ab. and (lcd or (liquid adj crystal)).clm.) and spacer) and adhesive.clm.) and ((void or bubble) same adhesive)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:40
-	1	((((ito and plate and transparent and substrate and (hole or via) and adhesive and (lcd or (liquid adj crystal)).ab. and (lcd or (liquid adj crystal)).clm.) and spacer) and adhesive.clm.) and ((void or bubble) same adhesive)) and ((void or bubble) same adhesive).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:40
-	5068	((void or bubble) same adhesive).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:41
-	1969	((void or bubble) near5 adhesive).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:41
-	48	(((void or bubble) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:41
-	14	((((void or bubble) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.) and (bond or bonding or bonded)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:42
-	2	((((((void or bubble) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.) and (bond or bonding or bonded)) and substrate) and (hole or via)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:42

-		7	(((((void or bubble) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.) and (bond or bonding or bonded)) and substrate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:42
-		74	(((void or bubble) near5 adhesive).ti,ab,clm.) and (via or hole).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:44
-		2	((((void or bubble) near5 adhesive).ti,ab,clm.) and (via or hole).clm.) and (lcd or (liquid adj crystal)).ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:43
-		2	((((void or bubble) near5 adhesive).ti,ab,clm.) and (via or hole).clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:44
-		48	(((void or bubble) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:44
-		2	((((void or bubble) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.) and (via or hole).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:44
-		9	((((void or bubble) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.) and (via or hole)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:44
-		6	(((((void or bubble) near5 adhesive).ti,ab,clm.) and (lcd or (liquid adj crystal)).ti,ab,clm.) and (via or hole)) and plate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:44
-		4164	(lcd or (liquid adj crystal)) and (transparent or opaque or glass) and substrate and (bond or bonding or bonded) and (via or hole) and adhesive	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:47
-		23	((lcd or (liquid adj crystal)) and (transparent or opaque or glass) and substrate and (bond or bonding or bonded) and (via or hole) and adhesive) and standoff	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:47

-	3	(lcd or (liquid adj crystal)) and (transparent or opaque or glass) and substrate and (bond or bonding or bonded) and (via or hole) and adhesive and standoff and (adhesive).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:47
-	2	(lcd or (liquid adj crystal)).ti,ab,clm. and (transparent or opaque or glass) and substrate and (bond or bonding or bonded) and (via or hole) and adhesive and standoff and (adhesive).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:50
-	386	(lcd or (liquid adj crystal)).ti,ab,clm. and (transparent or opaque or glass) and substrate and (bond or bonding or bonded) and (via or hole) and adhesive and (adhesive).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:52
-	122	(lcd or (liquid adj crystal)).ti,ab,clm. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and adhesive and (adhesive).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:53
-	2	(lcd or (liquid adj crystal)).ti,ab,clm. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and adhesive and (adhesive).ti,ab,clm. and ((bubble or void) near10 (adhesive or epoxy))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:54
-	1	(lcd or (liquid adj crystal)).ab. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and adhesive and (adhesive).ti,ab,clm. and ((bubble or void) near10 (adhesive or epoxy))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:55
-	5	(lcd or (liquid adj crystal)).ab. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and adhesive and (adhesive).ti,ab,clm. and ((bubble or void) same (adhesive or epoxy))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 14:58
-	10	(lcd or (liquid adj crystal)).ab. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and adhesive and (adhesive).ti,ab,clm. and plate and (spacer or standoff) and gap	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:00

-	85	(lcd or (liquid adj crystal)).ab. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and adhesive and (adhesive).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:02
-	61	(lcd or (liquid adj crystal)).ab. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and adhesive and (adhesive).ti,ab,clm. and adhesive.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:03
-	9	(lcd or (liquid adj crystal)).ab. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and adhesive and (adhesive).ti,ab,clm. and (epoxy or adhesive).ab. and (epoxy or adhesive).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:05
-	0	(lcd or (liquid adj crystal)).ab. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and adhesive and (adhesive).ti,ab,clm. and (epoxy or adhesive).ab. and (epoxy or adhesive).clm. and dispenser	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:06
-	1	(lcd or (liquid adj crystal)).ab. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and adhesive and (adhesive).ti,ab,clm. and (epoxy or adhesive).ab. and (epoxy or adhesive).clm. and (dispense or dispensing or dispenser)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:06
-	1	(lcd or (liquid adj crystal)).ab. and (transparent or opaque or glass) and substrate.ti,ab,clm. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and (epoxy or adhesive).ab. and (epoxy or adhesive).clm. and (dispense or dispensing or dispenser)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:07
-	1	(lcd or (liquid adj crystal)).ab. and (bond or bonding or bonded).ti,ab,clm. and (via or hole).ti,ab,clm. and (epoxy or adhesive).ab. and (epoxy or adhesive).clm. and (dispense or dispensing or dispenser)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:11
-	5	(lcd or (liquid adj crystal)).ab. and (via or hole).ti,ab,clm. and (epoxy or adhesive).ab. and (epoxy or adhesive).clm. and (dispense or dispensing or dispenser)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:14

-	890	(substrate near5 gap near5 ((first and second) or (upper and lower)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:17
-	562	((substrate near5 gap near5 ((first and second) or (upper and lower)))) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:18
-	117	((substrate near5 gap near5 ((first and second) or (upper and lower)))) and (adhesive or epoxy).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:19
-	115	(((substrate near5 gap near5 ((first and second) or (upper and lower)))) and (adhesive or epoxy).ti,ab,clm.) and substrate.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:19
-	84	((((substrate near5 gap near5 ((first and second) or (upper and lower)))) and (adhesive or epoxy).ti,ab,clm.) and substrate.ti,ab,clm.) and (transparent or opaque or glass)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:19
-	16	(((((substrate near5 gap near5 ((first and second) or (upper and lower)))) and (adhesive or epoxy).ti,ab,clm.) and substrate.ti,ab,clm.) and (transparent or opaque or glass)) and (via or hole).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:20
-	15	((((((substrate near5 gap near5 ((first and second) or (upper and lower)))) and (adhesive or epoxy).ti,ab,clm.) and substrate.ti,ab,clm.) and (transparent or opaque or glass)) and (via or hole).ti,ab,clm.) and (epoxy or adhesive).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:20
-	5	(((((((substrate near5 gap near5 ((first and second) or (upper and lower)))) and (adhesive or epoxy).ti,ab,clm.) and substrate.ti,ab,clm.) and (transparent or opaque or glass)) and (via or hole).ti,ab,clm.) and (epoxy or adhesive).clm.) and (epoxy or adhesive).ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:20
-	4	((((((((substrate near5 gap near5 ((first and second) or (upper and lower)))) and (adhesive or epoxy).ti,ab,clm.) and substrate.ti,ab,clm.) and (transparent or opaque or glass)) and (via or hole).ti,ab,clm.) and (epoxy or adhesive).clm.) and (epoxy or adhesive).ab.) and (lcd or (liquid adj crystal)).ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:21

		4	((((((((((substrate near5 gap near5 ((first and second) or (upper and lower)))) and (adhesive or epoxy).ti,ab,clm.) and substrate.ti,ab,clm.) and (transparent or opaque or glass)) and (via or hole).ti,ab,clm.) and (epoxy or adhesive).clm.) and (epoxy or adhesive).ab.) and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:21
-		4	((((((((((substrate near5 gap near5 ((first and second) or (upper and lower)))) and (adhesive or epoxy).ti,ab,clm.) and substrate.ti,ab,clm.) and (transparent or opaque or glass)) and (via or hole).ti,ab,clm.) and (epoxy or adhesive).clm.) and (epoxy or adhesive).ab.) and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (via or hole).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:21
-		60	(US-6476902-$ or US-6261649-$ or US-6251516-$ or US-6124913-$ or US-6034754-$ or US-6015951-$ or US-5943110-$ or US-5883685-$ or US-5863457-$ or US-5809188-$ or US-5599478-$ or US-5413657-$ or US-5359443-$ or US-5889568-$ or US-5629787-$ or US-5076670-$ or US-4963002-$ or US-6042894-$ or US-5653017-$ or US-5591034-$ or US-5545475-$ or US-5537738-$ or US-6144425-$ or US-6512563-$ or US-5801796-$ or US-4422731-$).did. or (US-6339461-$ or US-6072445-$ or US-6043800-$ or US-5654811-$ or US-5581385-$ or US-5444557-$ or US-5377031-$ or US-6261403-$ or US-6424401-$ or US-6304309-$ or US-6285433-$ or US-6466294-$ or US-4297401-$ or US-6064461-$ or US-5317438-$ or US-6490022-$ or US-6285559-$ or US-6124917-$ or US-6120943-$ or US-6113218-$ or US-5744193-$ or US-5161009-$ or US-5121225-$).did. or (US-20030002006-$ or US-20020109816-$ or US-20020109807-$ or US-20020109806-$ or US-20020037269-$ or US-20020046873-$ or US-20020135720-$ or US-20020057413-$ or US-20020054261-$ or US-20030038914-$ or US-20010010272-$).did.	USPAT; US-PGPUB	2003/04/22 15:21

| | | 16 | ((US-6476902-$ or US-6261649-$ or US-6251516-$ or US-6124913-$ or US-6034754-$ or US-6015951-$ or US-5943110-$ or US-5883685-$ or US-5863457-$ or US-5809188-$ or US-5599478-$ or US-5413657-$ or US-5359443-$ or US-5889568-$ or US-5629787-$ or US-5076670-$ or US-4963002-$ or US-6042894-$ or US-5653017-$ or US-5591034-$ or US-5545475-$ or US-5537738-$ or US-6144425-$ or US-6512563-$ or US-5801796-$ or US-4422731-$).did. or (US-6339461-$ or US-6072445-$ or US-6043800-$ or US-5654811-$ or US-5581385-$ or US-5444557-$ or US-5377031-$ or US-6261403-$ or US-6424401-$ or US-6304309-$ or US-6285433-$ or US-6466294-$ or US-4297401-$ or US-6064461-$ or US-5317438-$ or US-6490022-$ or US-6285559-$ or US-6124917-$ or US-6120943-$ or US-6113218-$ or US-5744193-$ or US-5161009-$ or US-5121225-$).did. or (US-20030002006-$ or US-20020109816-$ or US-20020109807-$ or US-20020109806-$ or US-20020037269-$ or US-20020046873-$ or US-20020135720-$ or US-20020057413-$ or US-20020054261-$ or US-20030038914-$ or US-20010010272-$).did.) and ((void or bubble) near10 (adhesive or epoxy)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/04/22 15:23 |

| - | | 8 | ((US-6476902-$ or US-6261649-$ or US-6251516-$ or US-6124913-$ or US-6034754-$ or US-6015951-$ or US-5943110-$ or US-5883685-$ or US-5863457-$ or US-5809188-$ or US-5599478-$ or US-5413657-$ or US-5359443-$ or US-5889568-$ or US-5629787-$ or US-5076670-$ or US-4963002-$ or US-6042894-$ or US-5653017-$ or US-5591034-$ or US-5545475-$ or US-5537738-$ or US-6144425-$ or US-6512563-$ or US-5801796-$ or US-4422731-$).did. or (US-6339461-$ or US-6072445-$ or US-6043800-$ or US-5654811-$ or US-5581385-$ or US-5444557-$ or US-5377031-$ or US-6261403-$ or US-6424401-$ or US-6304309-$ or US-6285433-$ or US-6466294-$ or US-4297401-$ or US-6064461-$ or US-5317438-$ or US-6490022-$ or US-6285559-$ or US-6124917-$ or US-6120943-$ or US-6113218-$ or US-5744193-$ or US-5161009-$ or US-5121225-$).did. or (US-20030002006-$ or US-20020109816-$ or US-20020109807-$ or US-20020109806-$ or US-20020037269-$ or US-20020046873-$ or US-20020135720-$ or US-20020057413-$ or US-20020054261-$ or US-20030038914-$ or US-20010010272-$).did.) and ((void or bubble) near10 (adhesive or epoxy)).ti,ab,clm. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/04/22 15:23 |

| | | 2 | ((US-6476902-$ or US-6261649-$ or US-6251516-$ or US-6124913-$ or US-6034754-$ or US-6015951-$ or US-5943110-$ or US-5883685-$ or US-5863457-$ or US-5809188-$ or US-5599478-$ or US-5413657-$ or US-5359443-$ or US-5889568-$ or US-5629787-$ or US-5076670-$ or US-4963002-$ or US-6042894-$ or US-5653017-$ or US-5591034-$ or US-5545475-$ or US-5537738-$ or US-6144425-$ or US-6512563-$ or US-5801796-$ or US-4422731-$).did. or (US-6339461-$ or US-6072445-$ or US-6043800-$ or US-5654811-$ or US-5581385-$ or US-5444557-$ or US-5377031-$ or US-6261403-$ or US-6424401-$ or US-6304309-$ or US-6285433-$ or US-6466294-$ or US-4297401-$ or US-6064461-$ or US-5317438-$ or US-6490022-$ or US-6285559-$ or US-6124917-$ or US-6120943-$ or US-6113218-$ or US-5744193-$ or US-5161009-$ or US-5121225-$).did. or (US-20030002006-$ or US-20020109816-$ or US-20020109807-$ or US-20020109806-$ or US-20020037269-$ or US-20020046873-$ or US-20020135720-$ or US-20020057413-$ or US-20020054261-$ or US-20030038914-$ or US-20010010272-$).did.) and ((void or bubble) near10 (adhesive or epoxy)).ab. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/04/22 15:28 |

-	6	((US-6476902-$ or US-6261649-$ or US-6251516-$ or US-6124913-$ or US-6034754-$ or US-6015951-$ or US-5943110-$ or US-5883685-$ or US-5863457-$ or US-5809188-$ or US-5599478-$ or US-5413657-$ or US-5359443-$ or US-5889568-$ or US-5629787-$ or US-5076670-$ or US-4963002-$ or US-6042894-$ or US-5653017-$ or US-5591034-$ or US-5545475-$ or US-5537738-$ or US-6144425-$ or US-6512563-$ or US-5801796-$ or US-4422731-$).did. or (US-6339461-$ or US-6072445-$ or US-6043800-$ or US-5654811-$ or US-5581385-$ or US-5444557-$ or US-5377031-$ or US-6261403-$ or US-6424401-$ or US-6304309-$ or US-6285433-$ or US-6466294-$ or US-4297401-$ or US-6064461-$ or US-5317438-$ or US-6490022-$ or US-6285559-$ or US-6124917-$ or US-6120943-$ or US-6113218-$ or US-5744193-$ or US-5161009-$ or US-5121225-$).did. or (US-20030002006-$ or US-20020109816-$ or US-20020109807-$ or US-20020109806-$ or US-20020037269-$ or US-20020046873-$ or US-20020135720-$ or US-20020057413-$ or US-20020054261-$ or US-20030038914-$ or US-20010010272-$).did.) and ((void or bubble) near10 (adhesive or epoxy)).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:24
-	1	(standoff near10 gap near10 substrate).ti,ab,clm. and ((adhesive or epoxy) near10 (void or bubble)).ti,ab,clm. and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:31
-	1	(standoff near10 gap near10 substrate).ti,ab,clm. and ((adhesive or epoxy) near10 (void or bubble)) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:34
-	1	(standoff near10 gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:36
-	35	(gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)) and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:36

-	6	(gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)).ti,ab,clm. and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:37
-	35	(gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:38
-	24	(gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:38
-	0	((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and ((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal))).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:39
-	20	((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:40
-	14	(((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:40
-	11	((((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.) and (adhesive or epoxy).ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:40
-	7	(((((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.) and (adhesive or epoxy).ab.) and (via or hole)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:41
-	7	((((((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.) and (adhesive or epoxy).ab.) and (via or hole)) and ((void or bubble) same (epoxy or adhesive))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:41

-		7	((((((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.) and (adhesive or epoxy).ab.) and (via or hole)) and ((void or bubble) near10 (epoxy or adhesive))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:45
-		6	(((((((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.) and (adhesive or epoxy).ab.) and (via or hole)) and ((void or bubble) near10 (epoxy or adhesive))) and plate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:42
-		6	((((((((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.) and (adhesive or epoxy).ab.) and (via or hole)) and ((void or bubble) near10 (epoxy or adhesive))) and plate) and substrate and (transparent or opaque or glass)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:42
-		6	(((((((((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.) and (adhesive or epoxy).ab.) and (via or hole)) and ((void or bubble) near10 (epoxy or adhesive))) and plate) and substrate and (transparent or opaque or glass)) and (spacer or standoff)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:43
-		1	((((((((((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.) and (adhesive or epoxy).ab.) and (via or hole)) and ((void or bubble) near10 (epoxy or adhesive))) and plate) and substrate and (transparent or opaque or glass)) and (spacer or standoff)) and (void or bubble).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:45
-		1	(((((((((((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.) and (adhesive or epoxy).ab.) and (via or hole)) and ((void or bubble) near10 (epoxy or adhesive))) and plate) and substrate and (transparent or opaque or glass)) and (spacer or standoff)) and ((via or hole) near10 (fill or filled or filling) near10 (epoxy or resin or adhesive))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:44

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-	1	(((((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and (lcd or (liquid adj crystal)).clm.) and (adhesive or epoxy).clm.) and (adhesive or epoxy).ab.) and ((via or hole) near10 (fill or filled or filling) near10 (epoxy or resin or adhesive))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:44
-	1	((gap near10 substrate) and ((adhesive or epoxy) near10 (void or bubble)). and (lcd or (liquid adj crystal)).ab.) and ((via or hole) near10 (fill or filled or filling) near10 (epoxy or resin or adhesive))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/22 15:45
-	77	(US-6476902-$ or US-6261649-$ or US-6251516-$ or US-6124913-$ or US-6034754-$ or US-6015951-$ or US-5943110-$ or US-5883685-$ or US-5863457-$ or US-5809188-$ or US-5599478-$ or US-5413657-$ or US-5359443-$ or US-5889568-$ or US-5629787-$ or US-5076670-$ or US-4963002-$ or US-6042894-$ or US-5653017-$ or US-5591034-$ or US-5545475-$ or US-5537738-$ or US-6144425-$ or US-6512563-$ or US-5801796-$ or US-4422731-$).did. or (US-6339461-$ or US-6072445-$ or US-6043800-$ or US-5654811-$ or US-5581385-$ or US-5444557-$ or US-5377031-$ or US-6261403-$ or US-6424401-$ or US-6304309-$ or US-6285433-$ or US-6466294-$ or US-4297401-$ or US-6064461-$ or US-5317438-$ or US-6490022-$ or US-6285559-$ or US-6124917-$ or US-6120943-$ or US-6113218-$ or US-5744193-$ or US-5161009-$ or US-5121225-$ or US-6461465-$ or US-6219127-$ or US-6190488-$ or US-6137555-$).did. or (US-6093577-$ or US-6037026-$ or US-5936696-$ or US-5869150-$ or US-5852487-$ or US-5846452-$ or US-5835179-$ or US-5612440-$ or US-5581384-$ or US-4985285-$ or US-4364168-$).did. or (US-20030002006-$ or US-20020109816-$ or US-20020109807-$ or US-20020109806-$ or US-20020037269-$ or US-20020046873-$ or US-20020135720-$ or US-20020057413-$ or US-20020054261-$ or US-20030038914-$ or US-20010010272-$ or US-20020060770-$ or US-20010018948-$).did.	USPAT; US-PGPUB	2003/04/22 15:44

| - | 14 | ((US-6476902-$ or US-6261649-$ or US-6251516-$ or US-6124913-$ or US-6034754-$ or US-6015951-$ or US-5943110-$ or US-5883685-$ or US-5863457-$ or US-5809188-$ or US-5599478-$ or US-5413657-$ or US-5359443-$ or US-5889568-$ or US-5629787-$ or US-5076670-$ or US-4963002-$ or US-6042894-$ or US-5653017-$ or US-5591034-$ or US-5545475-$ or US-5537738-$ or US-6144425-$ or US-6512563-$ or US-5801796-$ or US-4422731-$).did. or (US-6339461-$ or US-6072445-$ or US-6043800-$ or US-5654811-$ or US-5581385-$ or US-5444557-$ or US-5377031-$ or US-6261403-$ or US-6424401-$ or US-6304309-$ or US-6285433-$ or US-6466294-$ or US-4297401-$ or US-6064461-$ or US-5317438-$ or US-6490022-$ or US-6285559-$ or US-6124917-$ or US-6120943-$ or US-6113218-$ or US-5744193-$ or US-5161009-$ or US-5121225-$ or US-6461465-$ or US-6219127-$ or US-6190488-$ or US-6137555-$).did. or (US-6093577-$ or US-6037026-$ or US-5936696-$ or US-5869150-$ or US-5852487-$ or US-5846452-$ or US-5835179-$ or US-5612440-$ or US-5581384-$ or US-4985285-$ or US-4364168-$).did. or (US-20030002006-$ or US-20020109816-$ or US-20020109807-$ or US-20020109806-$ or US-20020037269-$ or US-20020046873-$ or US-20020135720-$ or US-20020057413-$ or US-20020054261-$ or US-20030038914-$ or US-20010010272-$ or US-20020060770-$ or US-20010018948-$).did.) and ((via or hole) near10 (fill or filled or filling) near10 (epoxy or resin or adhesive)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/04/22 15:45 |